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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,348	02/26/2002	Pasi Laurila	P 290657 2990360US/SML/ko	9575
7590 PILLSBURY WINTHROP LLP 1650 TYSONS BOULEVARD McLEAN, VA 22102			EXAMINER IQBAL, KHAWAR	
			ART UNIT 2617	PAPER NUMBER
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/082,348

Applicant(s)

LAURILA ET AL.

Examiner

Khawar Iqbal

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— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 08 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-7,9-23,25 and 27-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7,9-23,25 and 27-31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-7,9-11,13-22,25,27-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dahm et al (20010014615) further in view of Boltz (6311055).

Regarding claim 1 Dahm et al teaches a method of providing telecommunication services in a telecommunication system comprising at least one terminal (106), a serving network (108) providing the terminal (106) with services, and at least one bearer network in functional connection with the serving network (108), the method comprising (figs. 1,6):

creating at least one database comprising subscriber data, from which there is a functional connection to the bearer network (para. # 0053);

establishing a connection between the serving network and the terminal being established by means of a subscriber application comprised by the terminal (para. # 0053-0054);

arranging communication between the terminal and said subscriber database by Internet Protocol based data (para. # 0053-0054);

performing automated checking of the right of the terminal to use said subscriber database (para. # 0054);

automatically transmitting from the subscriber database subscriber data from said subscriber database to the terminal, to the serving network, or to the terminal and the serving network in response to the terminal having the right to use said subscriber database (para. # 0054-0055); and

providing the terminal with communication services according to at least said transmitted subscriber data (para. # 0051,0055); and

transmitting subscriber data from the terminal to said subscriber database to modify the subscriber database contents (para. # 0051,0055). Dahm et al does not specifically teach wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data.

In an analogous art, Boltz teaches wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data (col. 8, lines 14-37). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dahm et al by specifically adding feature services of the bearer network are activated in order to enhance providing provision of the supplementary services as taught by Boltz.

Regarding claim 13 Dahm et al teaches a telecommunication system comprising at least one terminal, a serving network providing the terminal with services, and at least one bearer network in functional connection with the serving network, wherein the bearer network is configured to create at least one database comprising subscriber data, a functional connection being configured between said at least one subscriber database and the bearer network (para. # 0051-0055, figs. 1,6);

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the terminal and the serving network are configured to establish a connection by means of a subscriber application comprised by the terminal (para. # 0051-0055);

the terminal and the serving network are configured to arrange Internet Protocol base a data transmission communication between the terminal and said subscriber database (para. # 0051-0055);

said subscriber database is configured to check the right of the terminal to use said subscriber database (para. # 0051-0055);

automatic submission of subscriber database is configured in the system from the subscriber database to the terminal, serving network or to the terminal and serving network in response to the terminal having the right to use said subscriber database; service provision for the terminal is configured in the system in accordance with at least said transmitted subscriber data (para. # 0051-0055); and

transmitting subscriber data from the terminal to said subscriber database to modify the subscriber database contents (para. # 0051-0055). Dahm et al does not specifically teach wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data.

In an analogous art, Boltz teaches wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data (col. 8, lines 14-37). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dahm et al by specifically adding feature services of the bearer network are activated in order to enhance providing provision of the supplementary services as taught by Boltz.

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Regarding claims 25 Dahm et al teaches a terminal device for a telecommunication system, wherein the terminal is configured to establish a connection with a serving network by a subscriber application comprised by the terminal (para. # 0051-0055);

the terminal is configured to communication with the subscriber database by Internet protocol base data transmission (para. # 0051-0055);

the terminal is configured to transmit identification information to said subscriber database (para. # 0051-0055);

the terminal is configured to receive subscriber data related to said subscriber database from the subscriber database as an automatic result of automated checking to confirm the right of the terminal to use said subscriber database (para. # 0051-0055);

the terminal is configured to transmit subscriber data to said subscriber database to modify the subscriber database contents (para. # 0051-0055). Dahm et al does not specifically teach wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data.

In an analogous art, Boltz teaches wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data (col. 8, lines 14-37). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dahm et al by specifically adding feature services of the bearer network are activated in order to enhance providing provision of the supplementary services as taught by Boltz.

Regarding claims 2,14 Dahm et al teaches wherein said subscriber data to be transmitted comprise a subscriber identifier (para. # 0053).

Regarding claims 3,15,27 Dahm et al teaches wherein said subscriber data to be transmitted to the serving network comprise a subscriber identifier according to said subscriber database; said subscriber identifier is associated in the serving network with the identifier of the subscriber application comprised by the terminal; the terminal is identified outside the serving network on the basis of said subscriber identifier; and data to the subscriber of said subscriber database are directed in the serving network to the terminal (para. # 0051-0055).

Regarding claims 4,16,28 Dahm et al teaches wherein the address of said subscriber database, such as an IP address, is transmitted from the terminal to the serving network; and a connection is established from the terminal to said subscriber database on the basis of the address of said subscriber database (para. # 0051-0055, also see claim 1).

Regarding claims 5,17,29 Dahm et al teaches transmitting location information about the terminal to at least one bearer network; and transmitting data directed to the subscriber of said subscriber database to the serving network on the basis of said location information (para. # 0039).

Regarding claims 6,19,30 Dahm et al teaches wherein said subscriber data comprise information about the services to be provided for the subscriber (para. # 0051,0055).

Regarding claims 7,18 Dahm et al teaches wherein said subscriber data comprise the subscriber's personal data (para. # 0051-0055).

Regarding claims 9,20 Dahm et al teaches wherein the information about said subscriber database to be used is transmitted from the terminal to the serving network (para. # 0051-0055).

Regarding claims 10,21 Dahm et al teaches arranging the subscriber data in said subscriber database to be modified by the terminal and/or the bearer network (para. # 0051-0055).

Regarding claims 11,22 Dahm et al teaches wherein said telecommunication system is a mobile communication system; and said subscriber database comprises data that are at least partly the same as in the subscriber application (para. # 0051-0055).

Regarding claim 31 Dahm et al teach a network element device for a telecommunication system, the network element comprising a subscriber database comprising subscriber data, wherein the network element device is configured to communicate with a terminal by internet Protocol based data transmission (para. # 0051-0055);

the network element device is configured to check the right of the terminal to use the subscriber database (para. # 0051-0055); and

the network element device is configured to transmit subscriber data from the subscriber database to the terminal, to a serving network, or to the terminal and the



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serving network in response to the terminal having the right to use said subscriber database (para. # 0051-0055); and

the network element device is configured to receive subscriber data from the terminal to said subscriber database to modify the subscriber database contents (para. # 0051-0055). Dahm et al does not specifically teach wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data.

In an analogous art, Boltz teaches wherein services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data (col. 8, lines 14-37). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dahm et al by specifically adding feature services of the bearer network are activated in order to enhance providing provision of the supplementary services as taught by Boltz.

3. Claims 12, 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dahm et al (20010014615) further in view of Boltz (6311055) and Oh (6519458).

Regarding claims 12,23 Dahm et al teaches wherein the connection between the terminal and said subscriber database is established by using HyperText Markup Language (HTML) browser technology. Dahm et al and Boltz do not specifically teach wherein the connection between the terminal and said subscriber database is established by using WAP technology.

In an analogous art, Oh et al teaches wherein the connection between the terminal and said subscriber database is established by using WAP technology (col. 3,

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lines 3342, col. 5, lines 58-65). The WAP is a protocol, which is being diversified and standardized in various modes, that enables the mobile terminal itself to carry out an Internet service, facsimile service, electronic mail service and TCP/IP connection, through wireless connection. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dahm et al and Boltz by specifically adding features the terminal and the subscriber database is established by using WAP technology in order to the IP address of an Internet application based on WAP as taught by Oh et al.

#### ***Response to Arguments***

4. Applicant's arguments with respect to claims 1-7,9-23,25,27-31 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Khawar Iqbal whose telephone number is (571) 272-7909.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For

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more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Khawar Iqbal

  
GEORGE ENG  
SUPERVISORY PATENT EXAMINER